15-DAY EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

REGARDING PROPOSED CHANGES TO
2007 CALIFORNIA MECHANICAL CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 4

LEGEND FOR EXPRESS TERMS

1. Existing California amendments or code language being modified: All such language appears in *italics*, modified language is underlined, repealed language appears in ~~strikeout.~~
2. New California amendments: All such language appears double *underlined and in italics*.
3. Repealed text: All such language appears in ~~double strikeout~~.
4. Rationale: The justification for the change is shown after each section or series of related changes.
5. Notation: Authority and reference citations are provided at the end of each chapter.

EXPRESS TERMS

CHAPTER 3 – GENERAL REQUIRMENTS

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314.0 Steam and Hot-Water Systems

314.1 Requirements for Hospitals and Optional Services Provided in Correctional Treatment Centers. [For OSHPD 1 & 4]

...

314.1.3 *Boiler systems providing space heating shall be designed to maintain a minimum temperature of 60°F (15.6°C) in general patient areas and the temperatures specified in Table 315 for sensitive areas during periods of breakdown or maintenance of any one boiler. Winter design temperature shall be based on the Median of Extremes shown by the 1982 ASHRAE ~~Climactic~~ Climatic Data for Region X and ASHRAE 1994 Supplement to Climatic Data for Region X .*

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Rationale:
The proposed change corrects a misspelling and adopts a 1994 supplement to the 1982 ASHRAE Climatic Data for Region X. Both changes are sufficiently related to the original proposal for the public to have been adequately noticed that the change might occur.

Notation
Authority: Health & Safety Code §1226, 1275,129790 & 129850 and Government Code §11152.5
Reference: Health & Safety Code §1226, 1275, 129790 & 129850

315.0 Air Conditioning and Heating Systems

315.1 Requirements for Hospitals and Optional Services Provided in Correctional Treatment Centers. [For OSHPD 1 & 4]

315.1.1 *The systems shall be designed to provide the temperatures and ~~humidities~~ humidity for sensitive areas or rooms shown in Table 315.*

> ***~~Exception:~~*** *~~Calculations substantiating that the humidity will not be outside the range shown in Table 315 more than 0.5% of the time on an annual basis may be submitted to OSHPD as an alternate method of compliance. Humidifiers are not required if OSHPD approves the alternate method of compliance. Calculations shall be performed by a California licensed mechanical engineer and shall be based on the 1982 ASHRAE Climatic Data for Region X or other nationally recognized weather data.~~*

315.1.2 *Individual temperature and humidity controls shall be provided for each designated sensitive area or room shown in Table 315.*

> ***Exceptions:***
>
> ***~~315.1.3~~*** *(1) Dew-point control with individual overriding room humidistat will be acceptable as a substitute when justification is provided.*
>
> ***~~315.1.4~~*** *(2) Rooms ~~controlled by the same thermostat~~ with similar exposure, function and humidity requirements may have humidity control with zone humidifier where designs are specifically approved by the enforcing agency.*
>
> *~~(3) Humidifier is not required pursuant to Section 315.1.1.~~*

[Relocated from Section 315.1.6] ***315.1.3*** *For ~~all other~~ occupied areas not shown in Table 315, heating systems shall be ~~designated~~ designed to provide 70°F to 75°F (21.1°C to 23.9°C) ~~temperatures under winter design conditions~~ based on the Median of Extremes shown by the 1982 ASHRAE Climatic Data for Region X and ASHRAE 1994 Supplement to Climatic Data for Region X . The systems shall be thermostatically controlled with appropriate zoning to achieve the above conditions.*

[Relocated from Section 315.1.7] ***315.1.4*** *~~In all patient occupied areas~~ For occupied areas not shown in Table 315, cooling systems shall be designed to provide 75°F (23.9°C) maximum based on the 0.5 percent summer design dry bulb temperatures shown by the 1982 ASHRAE ~~Climate~~ Climatic Data for Region X and ASHRAE 1994 Supplement to Climatic Data for Region X. The ~~heating and cooling~~ systems ~~should~~ shall be thermostatically controlled with appropriate zoning to achieve the above conditions.*

...

Table 315 – Heating, ~~and~~ Cooling, and Relative Humidity Requirements for Sensitive Areas or Rooms

Area or Rooms Designation	Temperature Range[1, 2] °F	Relative Humidity[1, 3] Percent
Operating room	68-73	30-60
Cystoscopy	68-73	30-60
Cardiac ~~cath~~ catheterization lab	70-75	30-60
Delivery room	68-73	30-60
Recovery room	70	30-60
Newborn nursery	75	30-60
Intensive-care newborn nursery	75-80	30-60
Intensive care	70-75	30-60

...

Rationale:
The proposed change withdraws a proposed exception to Section 315.1.1, corrects a misspelling, adopts a 1994 supplement to the 1982 ASHRAE Climatic Data for Region X, and clarifies Table 315 by adding the word "Relative" to the title. The changes are sufficiently related to the original proposal for the public to have been adequately noticed that the change might occur.

Notation
Authority: Health & Safety Code §1226, 1275,129790 & 129850 and Government Code §11152.5
Reference: Health & Safety Code §1226, 1275, 129790 & 129850

CHAPTER 4 – VENTILATION AIR SUPPLY

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407.3 Air Balance.

407.3.1 *The ventilation systems shall be designed and balanced to provide the general air balance relationship to adjacent areas, shown in Table 4-A. The ventilation systems shall be balanced in accordance with the latest edition of standards published by the Associated Air ~~Balanced~~ Balance Council (AABC), ~~or~~ the National Environmental Balancing Bureau (NEBB), or the Testing, Adjusting and Balancing Bureau (TABB).*

...

Rationale:
The proposed change is grammatical and is sufficiently related to the original proposal for the public to have been adequately noticed that the change might occur.

Notation
Authority: Health & Safety Code §1226, 1275,129790 & 129850 and Government Code §11152.5
Reference: Health & Safety Code §1226, 1275, 129790 & 129850

TABLE 4-A --PRESSURE RELATIONSHIP AND VENTILATION REQUIREMENTS FOR GENERAL ACUTE CARE HOSPITALS, SKILLED NURSING FACILITIES, INTERMEDIATE CARE FACILITIES, CORRECTIONAL TREATMENT CENTERS, OUTPATIENT FACILITIES AND LICENSED CLINICS

A	B	C	D	E	F
AREA DESIGNATION	AIRBALANCE RELATIONSHIP TO ADJACENT AREAS [8]	MINIMUM AIR CHANGES IF 100% O.S.A.	CONDITIONED AIR NOT 100% O.S.A.		ALL AIR EXHAUSTED DIRECTLY TO OUTDOORS
			Minimum Air Changes of Outdoor Air per Hour	Minimum Total Air Changes per Hour	
Operating room, cardiac catheterization lab and cystoscopy	*P[7]*	*12*	*5*	*20*	
Patient holding preparation[1]	*~~E~~ NR*	*6*	*2*	*6*	
Delivery room, cesarean operating room	*P*	*12*	*5*	*20*	
Newborn/ well baby nursery	*P*	*6*	*2*	*6*	
Post anesthesia care unit	*~~E~~ NR*	*6*	*2*	*6*	*Yes*
intensive care service spaces, ~~A~~acute respiratory- care service spaces, ~~B~~burn service spaces, ~~C~~coronary-care service ~~S~~ spaces, ~~P~~pediatric intensive-care	*P*	*6*	*2*	*6*	

service spaces[9]					
Newborn intensive care	*P*	*6*	*2*	*6*	
Emergency department: *Waiting area* *Operating room* *Treatment room* *Trauma room*[3] *Triage*	 *N* *P* ~~*E*~~ *NR* *P* *N*	 *12* *12* *6* *12* *12*	 *2* *5* *2* *5* *2*	 *12* *20* *6* *20* *12*	 *Yes*[2]
Patient room	~~*E*~~ *NR*	*2*	*2*	*6*	
IV Prep. room	*P*	*6*	*2*	*6*	
Blood draw/phlebotomy	*NR*	*6*	*2*	*6*	
Infusion room	*P*	*6*	*2*	*6*	
Blood bank/ tissue storage	*NR*	*6*	*2*	*6*	
Administrative	*NR*	*4*	*2*	*4*	
Patient area corridor	~~*E*~~ *NR*	*2*	*2*	*4*	
Labor/delivery/recovery room, *Labor/delivery/recovery/ postpartum room*	~~*E*~~ *NR*	*2*	*2*	*6*	
Airborne infection isolation room	*N*[4]	*12*	*2*	*12*	*Yes*
Airborne infection isolation anteroom	*P*[4]	*10*	*2*	*10*	*Yes*
Protective environment room	*P*[5]	*15*	*2*	*15*	
Protective environment anteroom	*N*[6]	*15*	*2*	*15*	
Treatment and examination rooms, *Bloodborne infection isolation room*	~~*E*~~ *NR*	*6*	*2*	*6*	
Bronchoscopy and endoscopy	*N*	*12*	*2*	*12*	*Yes*
Special purpose room (SNF & ICF only)	~~*E*~~ *NR*	*6*	*2*	*6*	*Yes*
Radiological / Imaging: *Angiography ~~R~~room* *X-ray (diagnostic and treatment)* *CT Scan* *MRI room* *Fluoroscopy ~~R~~room* *Dark ~~R~~room* *Negative-pressure x-ray room* *Ultra sound room* *Gamma camera* *Waiting area*	 *P* ~~*E*~~ *NR* ~~*E*~~ *NR* ~~*E*~~ *NR* *N* *N* *N* ~~*E*~~ *NR* ~~*E*~~ *NR* *N*	 *12* *6* *6* *6* *6* *12* *12* *6* *6* *12*	 *5* *2* *2* *2* *2* *2* *2* *2* *2* *2*	 *15* *6* *6* *6* *6* *12* *12* *6* *6* *12*	 *Yes* *Yes* *Yes* *Yes*
Nuclear medicine	*N*	*6*	*2*	*6*	*Yes*
Bedpan room	*N*			*10*	*Yes*
Bathroom	*N*			*10*	*Yes*
Janitors' closet, ~~H~~housekeeping room	*N*			*10*	*Yes*
Sterilizer equipment room	*N*			*10*	*Yes*
Sub sterile room	~~*E*~~ *NR*	*10*	*2*	*10*	*Yes*
Linen and trash chute rooms	*N*			*10*	*Yes*
Food preparation centers	~~*E*~~ *NR*	*10*	*2*	*10*	*Yes*
Dining room	~~*E*~~ *NR*	*10*	*2*	*10*	

Dishwashing room	*N*			*10*	*Yes*
Dietary day storage	*~~E~~ NR*			*2*	
Laundry, general (clean and dirty)	*~~E~~ NR*	*10*	*2*	*10*	*Yes*
Soiled linen sorting and storage	*N*			*10*	*Yes*
Clean linen storage	*P*	*2*	*2*	*2*	
Anesthesia storage	*~~E~~ NR*	*8*		*8*	*Yes*
Central medical and surgical supply:					
Soiled or decontamination room	*N*	*4*	*2*	*4*	*Yes*
Clean workroom	*P*	*4*	*2*	*4*	
Unsterile supply	*~~E~~ NR*	*2*	*2*	*2*	
Pharmacy/medicine room	*P*	*2*	*2*	*4*	
Laboratory					
General	*N*	*6*	*2*	*6*	
Biochemistry	*P*	*6*	*2*	*6*	
Cytology	*N*	*6*	*2*	*6*	*Yes*
Glass washing	*N*	*10*	*2*	*10*	*Yes*
Histology	*N*	*6*	*2*	*6*	*Yes*
Microbiology	*N*	*6*	*2*	*6*	*Yes*
~~Nuclear medicine~~	*~~N~~*	*~~6~~*	*~~2~~*	*~~6~~*	*~~Yes~~*
Pathology	*N*	*6*	*2*	*6*	*Yes*
Serology	*P*	*6*	*2*	*6*	
Sterilizing	*N*	*10*	*2*	*10*	*Yes*
Media transfer	*P*	*4*	*2*	*4*	
Infectious disease and virus	*N*	*6*	*2*	*6*	*Yes*
Bacteriology	*N*	*6*	*2*	*6*	*Yes*
Negative-pressure treatment/exam room	*N*	*12*	*2*	*12*	*Yes*
Physical therapy and hydrotherapy	*N*	*6*	*2*	*6*	
Soiled workroom (utility room)	*N*	*4*	*2*	*10*	*Yes*
Clean workroom	*P*	*4*	*2*	*6*	
Autopsy	*N*	*12*	*2*	*12*	*Yes*
Toilet room	*N*			*10*	*Yes*
Shower room	*N*				*Yes*
Waiting area primary care clinic	*N*	*10*	*2*	*10*	*Yes*[2]

P = Positive *~~E Equal~~* *NR = No requirement for continuous directional control* *N=Negative*

[8]For operating rooms, cardiac catheterization labs, angiography rooms, cystoscopy rooms, delivery rooms, cesarean operating rooms, newborn intensive care, intensive care units, and nurseries provide approximately 15% excess supply air to the room or a sufficient quantity of excess supply air to maintain an appropriate positive air balance based on the room tightness and number of doors. For all rooms not listed in this footnote or not listed in Table 315 requiring either a positive or negative air balance, provide approximately 10% differential CFM between supply and return/exhaust airflow but not less than 25 CFM differential shall be provided regardless of room size. Room function, size, and tightness may be considered when determining the differential airflow required. Where continuous directional control is not required, variations between supply cfm and return or exhaust cfm shall be minimized.

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Rationale:
The proposed change clarifies the phrase “No requirement for continuous directional control” and is sufficiently related to the original proposal for the public to have been adequately noticed that the change might occur.

Notation
Authority: Health & Safety Code §1226, 1275,129790 & 129850 and Government Code §11152.5
Reference: Health & Safety Code §1226, 1275, 129790 & 129850